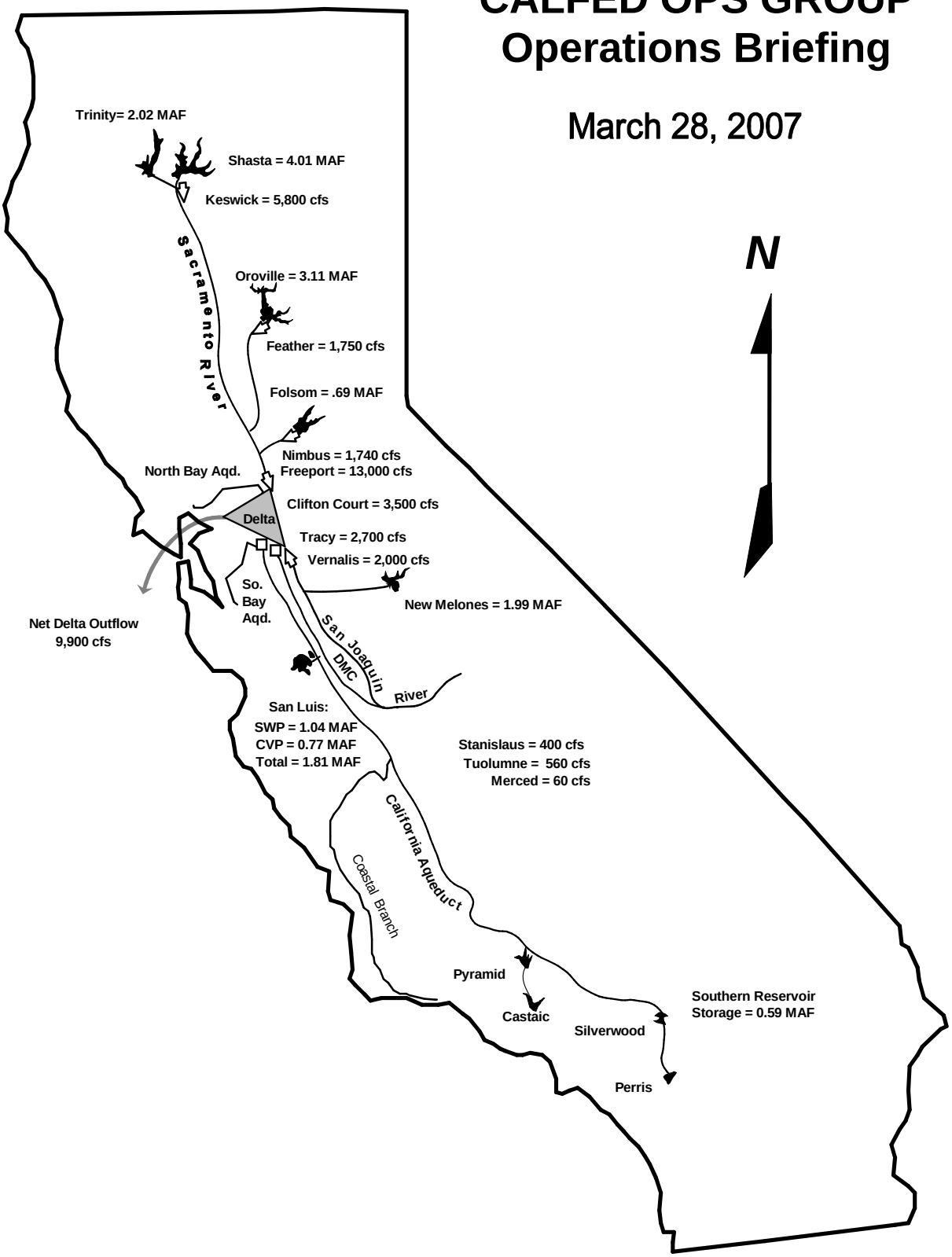
CALFED OPS GROUP
Operations Briefing

March 28, 2007



CURRENT SWP/CVP OPERATIONAL STATUS

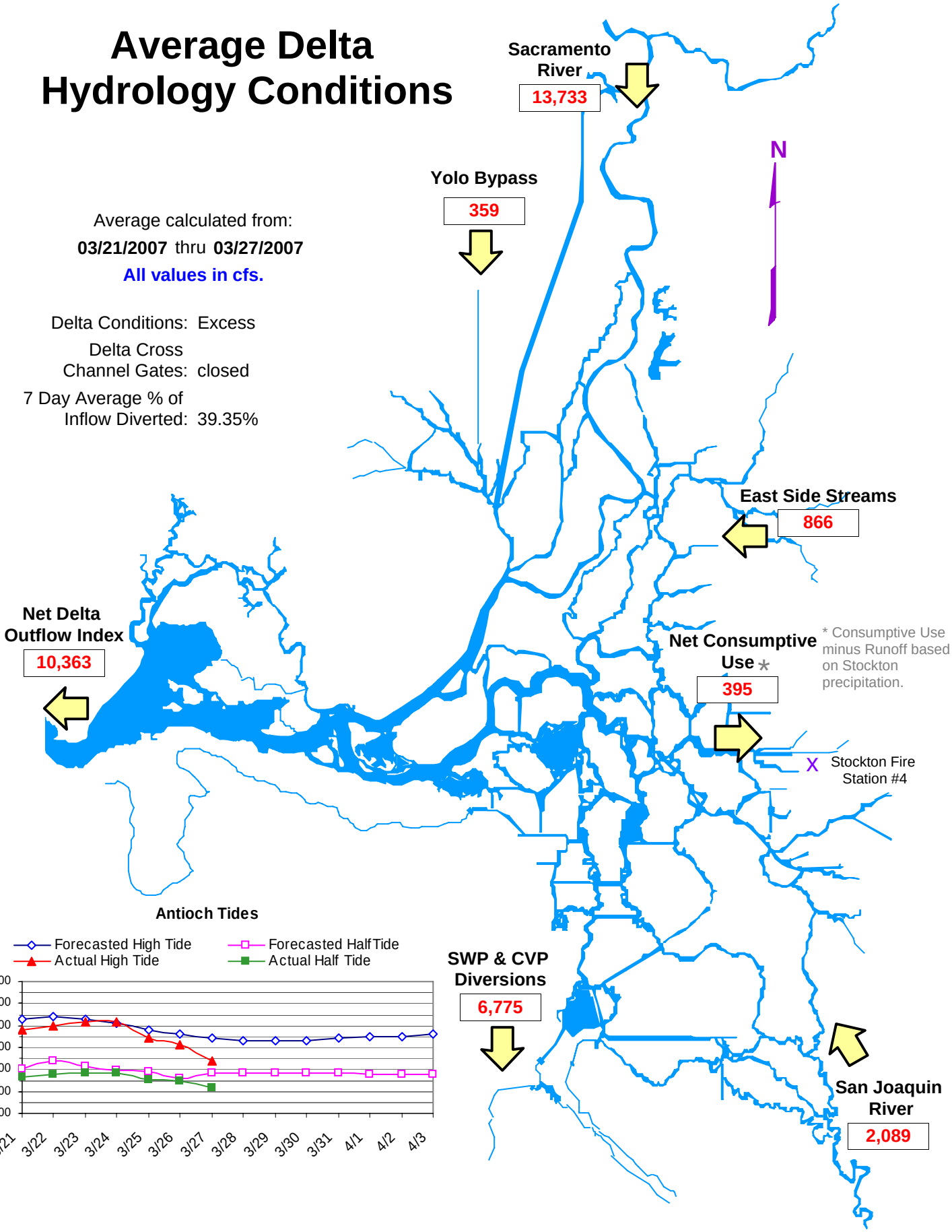
DATA AS OF
March 28, 2007

O&M, OSC

Average Delta Hydrology Conditions

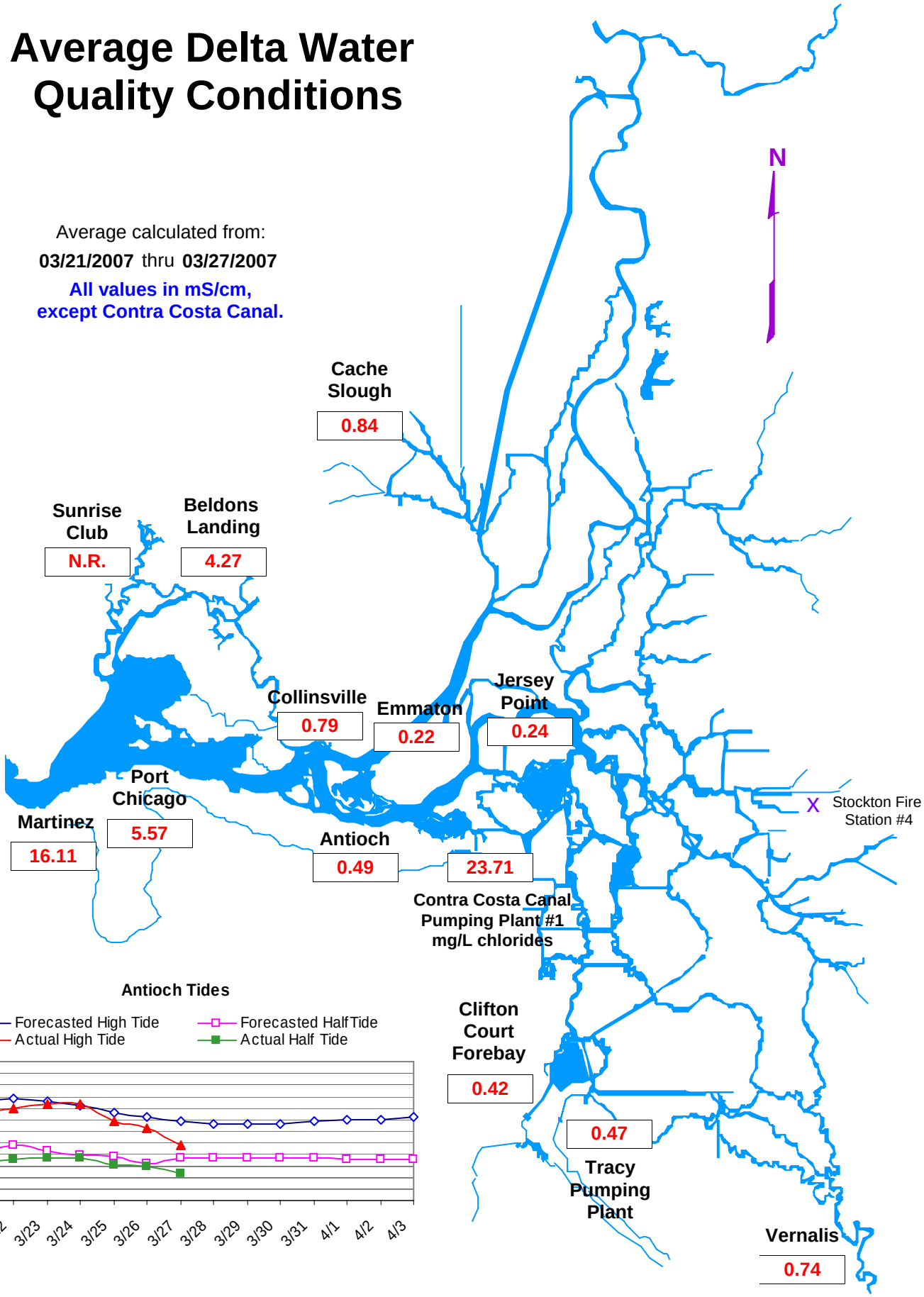
Average calculated from:
03/21/2007 thru **03/27/2007**
All values in cfs.

Delta Conditions: Excess
Delta Cross Channel Gates: closed
7 Day Average % of Inflow Diverted: 39.35%



Average Delta Water Quality Conditions

Average calculated from:
03/21/2007 thru **03/27/2007**
All values in mS/cm, except Contra Costa Canal.



DRAFT

Bay-Delta Standards

Contained in D-1641

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CRITERIA	Mar 2007	Apr 2007	May 2007
FLOW/OPERATIONAL			
• Fish and Wildlife		Greater of 1,500 cfs or 100% of 3-day avg. Vernalis flow	
SWP/CVP Export Limits			
Export/Inflow Ratio	35 % of Delta Inflow		
Minimum Outflow - mon.			
- 7 day avg.			
Habitat Protection Outflow, X2	Chipps Island: 31 Days , 27 days met		7,100 - 29,200 cfs or X2 days
		Chipps Island: ~13 to 25 days depening on April 8RI	
River Flows:			
@ Rio Vista - min. mon. avg.			
- 7 day average			
@ Vernalis: Base -min. mon. avg.	2280 cfs	~2280 cfs	~2280 cfs
- 7 day average	1824 cfs	~ 1824 cfs	~ 1824 cfs
Pulse objective		4880 cfs	gates may close
Delta Cross Channel Gates	Closed		14 days per Op's Group
WATER QUALITY STANDARDS			
• Municipal and Industrial			
All Export Locations	Cl <= 250 mg/l		
Contra Costa Canal	Cl <= 150 mg/l for 175 days forBelow Normal Water Year Type		
• Agriculture			
Western/Interior Delta		Max. 14-day average EC mmhos/cm: 0.45 mS/cm for Below Normal year	
Southern Delta	30 day running avg. EC <= 1.0 mS/cm	30 day running avg. EC <= 0.7 mS/cm	30 day running avg. EC <= 0.7 mS/cm
• Fish and Wildlife			
San Joaquin River Salinity		14-day avg; 0.44 EC	
Suisun Marsh Salinity	8.0 mhtEC	11.0 mhtEC	

Water Year Classification: WET (Based on forecast, 3/1/2007)

SRI (40-30-30 @ 50%) = 6.9 MAF (Below Normal)

SJV (60-20-20 @75%) = 2.3 MAF (Dry)

2006/2007 EWA Accounting Summary (Based on 90% Hydrology)

			Preliminary Actual As of 3/26/07	Total	End of 2007	Total
Expenditures	SWP		240.1	**240.1**	342.7	**342.7**
	CVP		0.0		0.0	
Acquisitions @ O'Neill	Fixed	NOD**	0.0	**80.4**	96.0	**310.4**
		SOD	0.0		134.0	
	Variable	Ops	80.4		80.4	
Assets in Storages (non SL)			0.0	**0.0**	0.0	**0.0**
S. L. Balance	**SWP**		-159.8	**-159.8**	-32.4	**-32.4**
	CVP		0.0		0.0	
			Daily Accounting			

Legends:
- Projected Value
- Actual Value

TABLE 1: Delivered EWA NOD and SOD Assets (- = Releases)

		commit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
NOD Upstream Storage															**0.0**				**0.0**
SFWP (above Oroville)															**0.0**				**0.0**
PCWA (above Folsom)															**0.0**				**0.0**
NOD Release to Delta															**120.0**				**120.0**
YCWA	*SWPAO # 07-???*	**122.0**										40.0	40.0	40.0	**120.0**				**120.0**
MID															**0.0**				**0.0**
SOD Storage															**134.0**				**134.0**
SCVWD	*SWPAO # 07-???*	**0.0**													**134.0**				**134.0**
KCWA	*SWPAO # 07-???*	**0.0**													**0.0**				**0.0**
MWD	*SWPAO # 07-???*	**0.0**										134.0			**0.0**				**0.0**
MWD	*SWPAO # 07-???*	**0.0**													**0.0**				**0.0**
MWD	*SWPAO # 07-???*	**0.0**													**0.0**				**0.0**

TABLE 2: EWA Asset Acquisition in SWP San Luis (without aqueduct conveyance and evaporation losses)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
E/I Relaxation													**0.0**				**0.0**
EWA share of SWP gain from B2 releases	1.7												**1.7**				**0.0**
Project Pumping to reduce EWA debt		3.0	127.9	26.7									**157.6**				**80.4**
JPOD using excess flows													**0.0**				**0.0**
JPOD using NOD storage													**0.0**				**0.0**
Xfer NOD - SacR (20% Carriage Loss) **										32.0	32.0	32.0	**96.0**				**96.0**
Xfer NOD - SJR (10% Conveyance Loss) **													**0.0**				**0.0**
SOD SWP Surface/GW Purchases										134.0			**134.0**				**134.0**
Exchange of EWA assets													**0.0**				**0.0**
Groundwater pumping SOD													**0.0**				**0.0**
Exchange from CVP to SWP in SL													**0.0**				**0.0**
Total Monthly EWA Assets	**1.7**	**3.0**	**127.9**	**26.7**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**166.0**	**32.0**	**32.0**	**389.3**	**0.0**	**0.0**	**0.0**	**310.4**

TABLE 3: EWA Asset Acquisition in CVP San Luis (without aqueduct conveyance and evaporation losses)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	Oct	Nov	Dec	CY* Total
E/I Relaxation													**0.0**				**0.0**
Project Pumping to reduce EWA debt													**0.0**				**0.0**
JPOD using excess flows													**0.0**				**0.0**
JPOD using NOD storage													**0.0**				**0.0**
Xfer NOD - SacR (0% Carriage Loss) **													**0.0**				**0.0**
Xfer NOD - SJR (0% Conveyance Loss) **													**0.0**				**0.0**
SOD CVP Surface/GW purchases													**0.0**				**0.0**
Exchange of EWA assets													**0.0**				**0.0**
Groundwater pumping													**0.0**				**0.0**
Exchange from SWP to CVP in SL													**0.0**				**0.0**
Total Monthly EWA Assets	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 4: EWA Expenditures at the Export Pumps

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	WY* Total	For WY 2007-2008 Oct	Nov	Dec
SWP export cuts				-97	-66	-80	-77	-23					**-342.7**			
CVP export cuts													**0.0**			
Total Expenditures	**0.0**	**0.0**	**0.0**	**-96.6**	**-66.3**	**-80.0**	**-77.3**	**-22.5**	**0.0**	**0.0**	**0.0**	**0.0**	**-342.7**			

TABLE 5: (Acquisition + Expenditures) EWA Incremental Storage Changes

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Dec Bal
Total NOD Storage (non SL)																**0.0**
Shasta																**0.0**
Oroville																**0.0**
Bullards Bar																**0.0**
Folsom																**0.0**
New Melone																**0.0**
Total SOD Storage (non SL)																**0.0**
Total Assets in Storage (non SL)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
SWP in SL (without Source Shift)	**1.7**	**3.0**	**127.9**	**-69.9**	**-66.3**	**-80.0**	**-77.3**	**-22.5**	**0.0**	**166.0**	**32.0**	**32.0**	**0.0**	**0.0**	**0.0**	**-32.4**
CVP in SL (without Source Shift)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 6: EWA Cumulative End-of-Month Storage Balance

	EOM Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total NOD Storage (non SL)																
Shasta																
Oroville																
Bullards Bar																
Folsom																
New Melone																
Total SOD Storage (non SL)																
Total Assets in Storage (non SL)	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**
SWP in SL (without Source Shift)	**-78.9**	**-77.2**	**-74.2**	**53.7**	**-16.2**	**-82.5**	**-162.5**	**-239.9**	**-262.4**	**-262.4**	**-96.4**	**-64.4**	**-32.4**	**-32.4**	**-32.4**	**-32.4**
CVP in SL (without Source Shift)		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**

TABLE 7: San Luis Reservoir End-of-Month Storage Conditions

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Storage (base case) ***	1537	1725	1868	1959	1978	1939	1651	1285	848	529	278	249	309	507	850
SWP	1101	1161	1189	1181	1235	1190	1014	793	562	415	254	180	122	129	251
CVP	436	564	680	778	743	749	637	492	286	114	24	69	187	378	599
Encroachment															
Total Storage (EWA case)	1460	1651	1922	1943	1986	1776	1412	1023	586	433	214	217	276	475	818
Monthly MWD Source Shifting								25	25	25	25				
Storage (with MWD source shifting)	**1460**	**1651**	**1922**	**1943**	**1986**	**1776**	**1412**	**1048**	**636**	**508**	**314**	**317**	**376**	**575**	**918**

* The WY accounting is typically used for EWA accounting except when the CY accounting is required for Bulletin 132.

** Carriage water loss applies to water transfers from the Sacramento River (assumed to be 20% until modeling results indicate otherwise); a 10% conveyance loss applies to water transfers from the San Joaquin River.

*** Based upon the 3/2007 DWR's 90% allocation study for SWP share of San Luis and preliminary 3/2007 USBR's 90% forecast study for CVP share of San Luis.

Note: 2005 MWD Exchange (SWP place of use)DWR on behalf of EWA owes MWD 50 TAF in a dry year when SWP allocations are 60% or less and MWD requests return.

Notes Related to 2006/2007 EWA Accounting Summary (Based on 90% Hydrology)

NOTES RELATED TO TABLE 1			
Sources	SWPAO No.	Quantity	Notes
NOD Upstream Storage			
SFWP (above Oroville)			
PCWA (above Folsom)			
NOD Release to Delta			
YCWA	*SWPAO # 07-???*	**122.0**	WY 2007 Pilot Agreement plus the water roll-over from previous year.
MID			
SOD Storage			
SCVWD	*SWPAO # 07-???*	**0.0**	
KCWA	*SWPAO # 07-???*	**0.0**	
MWD	*SWPAO # 07-???*	**0.0**	
MWD	*SWPAO # 07-???*	**0.0**	
MWD	*SWPAO # 07-???*	**0.0**	

NOTES RELATED TO TABLE 4	Oct-Dec	Jan	Feb	Mar	Apr 1-21	Apr 22-30	May 1-22	May 23-31	Jun-Sep
SWP export cuts		~97 TAF to meet minus 4,000 cfs MOR flow target during Jan 15-31.	~66 TAF to meet minus 4,000 cfs MOR flow target during entire Feb.	~80 TAF to meet minus 4-5 kcfs MOR flow target during entire Mar.	~71 TAF to meet minus 2,000 cfs MOR flow target during Pre-VAMP.	First half of VAMP cost for keeping Banks at 750 cfs (half of the combined pumping at 1500 cfs) is about 6 TAF.	Second half of VAMP cost for keeping Banks at 750 cfs (half of the combined pumping at 1500 cfs) is about 23 TAF.		
CVP export cuts									